

WHAT IS CLAIMED IS:

1. A wireless communication device, comprising:  
wireless communicating means;  
a plurality of voltage stabilizing means; and  
5 control means for controlling the plurality of  
voltage stabilizing means in association with a  
transmission from said wireless communicating means,  
wherein said plurality of voltage stabilizing  
means stabilize the output voltage of a common power  
10 source and supply the stabilized output voltage to the  
wireless communicating means.
2. The wireless communication device according  
to claim 1, wherein said control means stops one of the  
15 plurality of voltage stabilizing means in association  
with the transmission from said wireless communicating  
means.
3. The wireless communication device according  
20 to claim 1, wherein said control means stops one of  
said plurality of voltage stabilizing means while the  
transmission is not permitted.
4. The wireless communication device according  
25 to claim 1, wherein said control means stops one of  
said plurality of voltage stabilizing means after the  
transmission from said wireless communicating means.

5. The wireless communication device according to claim 1, wherein said control means switches one of said plurality of voltage stabilizing means for supplying voltage to said wireless communicating means in association with the transmission from said wireless communicating means.

6. The wireless communication device according to claim 1, wherein said plurality of voltage stabilizing means include a series regulator and a DC/DC converter.

7. A wireless communication device, comprising:  
wireless communicating means;  
first and second supply means for supplying a power to said wireless communicating means; and  
control means for supplying the power from both the first and second supply means to the wireless communicating means in a transmission state and supplying a power to the wireless communicating means in a receiving state from one of said first and second supply means.

8. A wireless communication device, comprising:  
wireless communicating means having a first mode for transmitting a response signal to a signal from a communication partner and a second mode for

transmitting no response signal to the signal from the communication partner;

5 a plurality of power supply means; and  
control means for controlling said plurality of  
power supply means in accordance with the transmission  
from said wireless communicating means,

10 wherein said wireless communicating means  
transmits a first signal showing the first mode and a  
second signal showing the second mode to the  
communication partner.

9. The wireless communication device according  
to claim 8, wherein said wireless communicating means  
transmits the second signal in accordance with the  
15 start of the transmission of image information and  
transmits the first signal in accordance with the  
completion of the transmission of image information.

20 10. A wireless communication device, comprising:  
wireless communicating means;  
a plurality of power supply means; and  
control means for controlling said plurality of  
power supply means in accordance with the transmission  
power of said wireless communicating means.

25 11. A wireless communication method, comprising  
the steps of:

stabilizing an output voltage of a common power source to generate a plurality of stabilized voltages; and

5 controlling the stabilized voltage supplied to a wireless communication part in accordance with the reception of a wireless signal from a communication partner.

10 12. The wireless communication method according to claim 11, wherein said control step stops one of the plurality of stabilized voltages in accordance with the reception in the receiving step.

15 13. The wireless communication method according to claim 11, wherein said control step switches one of the plurality of stabilized voltages to be supplied to the wireless communication part.

20 14. A wireless communication method, comprising the steps of:

supplying a power from both first and second power supply parts to a wireless communication part in a transmission state; and

25 supplying a power from one of the first and second power supply parts to the wireless communication part in a receiving state.

15. A wireless communication method, comprising the steps of:

controlling a plurality of power supply parts in association with a transmission from a wireless communication part;

transmitting to a communication partner a first signal showing a first mode for transmitting a response signal relative to a signal from the communication partner; and

transmitting to the communication partner a second signal indicating a second mode for transmitting no response signal relative to a signal from the communication partner.

16. The wireless communication method according to claim 15,

wherein the first signal is transmitted in accordance with the start of the supply of power in the first transmitting step, and

the second signal is transmitted in accordance with the start of the transmission of image information in the second transmitting step.

17. A wireless communication method, comprising the steps of:

setting the transmission power of a wireless communication part; and

controlling a plurality of power supply parts in  
accordance with the transmission power of said wireless  
communication part.

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